

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/696,279  
Filing Date: October 29, 2003  
Applicant: Joseph D. Rainville  
Group Art Unit: 1745  
Examiner: Robert W. Hodge  
Title: CENTRIFUGAL COMPRESSOR SURGE DETECTION  
USING A BI-DIRECTIONAL MFM IN A FUEL CELL  
SYSTEM  
Attorney Docket: GP-303951

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO OFFICE ACTION**

Sir:

This is a Response to the Office Action mailed December 17, 2007 to which a response is due by February 17, 2008.

**Amendments to the Claims** begin on page 2 of this paper; and

**Remarks** begin on page 6.